



#4

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)
David A. GOUGH et al.) FOR: METHOD FOR PREDICTING
Serial No.: 09/993,272) PROTEIN BINDING FROM
Filed: November 14, 2001) PRIMARY STRUCTURE DATA
Group
Art Unit: 1645

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

RECEIVED

JUN 25 2003

TECH CENTER 1600/2900

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Attention: Examiner

Dear Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to patentability of the invention disclosed and claimed in the above-cited application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on:

June 20, 2003

(Mailing Date)

Karen L. Johnson

(Typed Name)

(Signature)

June 20, 2003

(Date of Signature)

Applicants are submitting herewith copies of the references which are set forth on the attached Form PTO/SB/08A. As all relevant parts of the references are in the English language, no explanation of the references is provided herein.


This Information Disclosure Statement is submitted within three (3) months of the filing date of the above-cited application or of the date of entry into the national phase of the application or prior to the mailing date of a first Office Action thereon, whichever has occurred last, such that no fee is required.

Further, while the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specifically designated as such.

Also, in accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

Respectfully submitted,

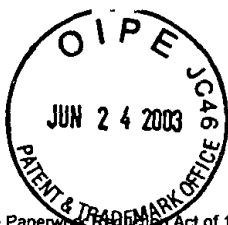
Dated: June 20, 2003

By: 
Colleen J. McKiernan
Agent for Applicants
Registration No. 48,570

BROWN MARTIN HALLER & McCLAIN LLP
1660 Union Street
San Diego, California 92101

Telephone: (619) 238-0999
Facsimile: (619) 238-0062

Docket No.: 6627-PA1034



1645

PTO/SB/21 (03-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/993,272	
	Filing Date	11/14/2001	
	First Named Inventor	David A. Gough	
	Art Unit	1645	
	Examiner Name	unknown	
Total Number of Pages in This Submission	70	Attorney Docket Number	6627-PA1034

RECEIVED

JUN 25 2003

TECH CENTER 1600/2900

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	IDS transmittal (2 pp.); 9 references (65 pp.); return postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

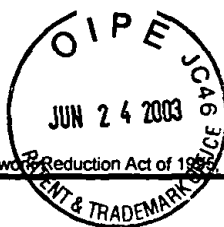
Firm or Individual	Colleen J. McKiernan	Reg. No. 48,570
Signature	<i>Colleen J. McKiernan</i>	
Date	06/20/2003	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 06/20/2003		
Typed or printed	Karen L. Johnson	
Signature	<i>Karen L. Johnson</i>	Date 06/20/2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

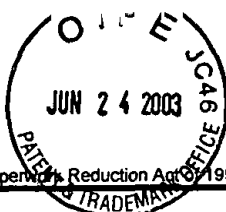


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known			
				Application Number	09/993,272		
				Filing Date	November 14, 2001		
				First Named Inventor	David GOUGH et al.		
				Group Art Unit	1645		
				Examiner Name	UNKNOWN		
Sheet	1	of	2	Attorney Docket Number	6627-PA1034		
U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
		NONE					
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³	Number ⁴ (if known)	Kind Code ⁵			
			NONE				
Examiner Signature					Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/993,272
				Filing Date	November 14, 2001
				First Named Inventor	David GOUGH
				Group Art Unit	1645
				Examiner Name	UNKNOWN
Sheet	2	of	2	Attorney Docket Number	6627-PA1034
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	1	Enright, A. J. et al. (1999) Protein interaction maps for complete genomes based on gene fusion events. <i>Nature</i> 402:86-90.			
	2	Fields, S. and O.-K. Song (1989) A novel genetic system to detect protein-protein interactions. <i>Nature</i> 340:245-6.			
	3	Joachims, T. (1999) <i>Making Large-Scale Support Vector Machine Learning Practical</i> . In <i>Advances in Kernel Methods- Support Vector Learning</i> , ch. 11, pp. 169-84, MIT Press, Cambridge, MA.			
	4	MacBeath, G. and S.L. Schreiber (2000) Putting proteins as microarrays for high throughput function determination. <i>Science</i> 289:1760-3.			
	5	Sankoff, D. et al. (1992) Gene order comparisons of phylogenetic interference: Evolution of the mitochondrial genome. <i>Proc. Natl. Acad. Sci. USA</i> 89: 6575-9.			
	6	Tekia, F. et al. (1999) The genomic tree as revealed from a whole proteome comparisons. <i>Genome Res.</i> 9:550-7.			
	7	Tomb, J. et al. (1997) The complete genome sequence of the gastric pathogen <i>Helicobacter pylori</i> . <i>Nature</i> , 388:539-47 (and 2-page sequence)			
	8	Uetz, P. et al. (2000) A comprehensive analysis of protein – protein interactions in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , 403:623-7 (and Table 2, 4 pp.)			
	9	Woese, C.R. et al. (1990) Towards a natural system of organisms: Proposal for the domains Archea, Bacteria, and Eucarya. <i>Proc. Natl. Acad. Sci. USA</i> 87:4576-9.			
Examiner Signature				Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

RECEIVED

JUN 25 2003

TECH CENTER 1600/2900